



Europäisches Patentamt

European Patent Office

Office européen des brevets

⑪ Publication number:

0 228 242

A3

②

EUROPEAN PATENT APPLICATION

⑬ Application number: 86309830.7

⑮ Int. Cl. 4: G06F 11/34

⑭ Date of filing: 16.12.86

⑯ Priority: 23.12.85 US 812085

⑰ Applicant: TEKTRONIX, INC.
Tektronix Industrial Park D/S Y3-121 4900
S.W. Griffith Drive P.O. Box 500
Beaverton Oregon 97077(US)

⑭ Date of publication of application:
08.07.87 Bulletin 87/28

⑱ Designated Contracting States:
DE FR GB IT NL

⑲ Inventor: Clark, Jeffery J.
P.O. Box 1525
Beaverton Oregon 97075(US)
Inventor: Schultheis, Stephen A.
Route 2, Box 1047
Hillsboro Oregon 97123(US)

⑳ Date of deferred publication of the search report:
22.03.89 Bulletin 89/12

⑳ Representative: Burke, Steven David et al
R.G.C. Jenkins & Co. 26 Caxton Street
London SW1H 0RJ(GB)

④ Non-Intrusive microprocessor performance analyzer.

⑤ A set of addresses contained within an address space of an analyzed processor are selected for monitoring according to qualification criteria. Thereafter, address information is placed in a data structure within a control device. Control information from the analyzed processor is monitored and compared against the qualification criteria, and responsive to control information from the analyzed processor agreeing with the qualification criteria, information concurrently present on an address port of the analyzed processor is placed in a temporary storage device. Placement of information in the temporary storage device operates to replace information previously stored therein. A timing device functions to produce indications at regular intervals of time, asynchronous with the operation of the analyzed processor. The control device functions, responsive to the indications produced by the timing device, to read the information present in the temporary storage device, compare said information against the set of addresses, and count the number of times the information read from the temporary storage device agrees with information contained within the set of addresses. A count is also maintained of the total number of times information is read from the tem-

